ELSEVIER

Journal of Electroanalytical Chemistry 461 (1999) 201

JOURNAL OF ELECTROANALYTICAL CHEMISTRY

Author Index of Volume 461

Abruña, H.D., 121
Aldaz, A., 65
Arvia, A.J., 40
Azcurra, A.I., 194

Baltruschat, H., 90
Barber, J.H., 80
Baruzzi, A.M., 194
Beck, F., 167
Boinowitz, T., 167
Bolzán, A.E., 40
Bruckenstein, S., 131, 143
Buller, Lisa J., 121
Burke, L.D., 52

Cattaneo, C., 32
Climent, V., 65
Conway, B.E., 80
Córdoba de Torresi, S.I., 161
Cornaglia, L., 32

de Moraes, I.R., 110

Eberhardt, D., 76
Ertl, G., 102

Feliu, J.M., 65
Florit, M.I., 40
Forzani, E.S., 174

Garche, J., 154
Glazier, S., 121
Gonzalez, E.R., 161
Guther, T.J., 154

Hamann, C.H., 94
Herrero, E., 121
Holze, R., 184

Kirchner, V., 102
Krausa, M., 10
Küver, A., 14

Lescano, D., 32
Löffler, Th., 90
López de Mishima, B.A., 32

Malinauskas, A., 184
Mishima, H., 32
Müller, U., 90

Nagle, L.C., 52
Nart, F.C., 110

Oesten, R., 154
Orts, J.M., 65

Pleus, S., 94

Rivas, G.A., 174
Rodes, A., 65

Sanchez de Pinto, M.I., 32
Santos, E., 76
Schmickler, W., 76
Schorb, K., 10
Schuster, R., 102
Schwientek, M., 94
Solis, V.M., 174

Torresi, R.M., 161

Vrestal, J., 90

Wasmus, S., 14
Wilde, P.M., 154

Xia, X.H., 102

Yudi, L.M., 194

Zeng, X., 131, 143

PII S0022-0728(98)00472-0

ELSEVIER

Journal of Electroanalytical Chemistry 461 (1999) 203–205

JOURNAL OF ELECTROANALYTICAL CHEMISTRY

Subject Index of Volume 461

Active state
Anomalous electrochemical behaviour of palladium in aqueous solution, 52
Adsorption
Sulfate ions adsorbed on Au(hkl) electrodes: in situ vibrational spectroscopy, 110
Adsorption at ITIES
Interfacial phenomena involving Fe(III)–ofloxacin complexes at the water|1,2-dichloroethane interface, 194
AES
Characterization of platinum-rutheniun electrodeposits using XRD, AES and XPS analysis, 32
Ammoniacal electrolyte
Polycrystalline gold electrode redox behavior in an ammoniacal electrolyte: Part I. A parallel RRDE, EQCM, XPS and TOF-SIMS study of supporting electrolyte phenomena, 131
Anomalous behaviour
Anomalous electrochemical behaviour of palladium in aqueous solution, 52

Bioelectrodes
Kinetic behaviour of dopamine-polyphenol oxidase on electrodes of tetrathiafulvalenium tetracyanoquinodimethanide and tetracyanoquinodimethane species, 174
Biphenyl
Mass spectrometric study of desorption and hydrogenation of biphenyl, naphthalene and *t*-butylbenzene on poly- and monocrystalline platinum electrodes, 90

Catalysis
Methanol oxidation and direct methanol fuel cells: A selective review, 14
Charge displacement
Urea adsorption on Pt(111) electrodes, 65
Chemical warfare agents
Trace detection of 2,4,6-trinitrotoluene in the gaseous phase by cyclic voltammetry, 10
Chiral pyrrole monomers
Enantioselective electrodes: stereoselective electroreduction of 4-methylbenzophenone and acetophenone, 94
Clusters
The growth of size-determined Cu clusters in nanometer holes on Au(111) due to a balance between surface and electrochemical energy, 102
Copper
Polycrystalline gold electrode redox behavior in an ammoniacal electrolyte: Part II. A parallel RRDE, EQCM and TOF-SIMS study of copper underpotential deposition, 143
Cu upd
X-ray and electrochemical studies of Cu upd on single crystal electrodes in the presence of bromide: comparison between Au(111) and Pt(111) electrodes, 121
Cyclic voltammetry
Trace detection of 2,4,6-trinitrotoluene in the gaseous phase by cyclic voltammetry, 10
Urea adsorption on Pt(111) electrodes, 65

Desorption
Mass spectrometric study of desorption and hydrogenation of biphenyl, naphthalene and *t*-butylbenzene on poly- and monocrystalline platinum electrodes, 90
Differential quadratic logistic equation
On the use of the quadratic logistic differential equation for the interpretation of electrointercalation processes, 161
Direct methanol fuel cell
Methanol oxidation and direct methanol fuel cells: A selective review, 14
Dopamine
Kinetic behaviour of dopamine-polyphenol oxidase on electrodes of tetrathiafulvalenium tetracyanoquinodimethanide and tetracyanoquinodimethane species, 174
Dopants
Strontium ruthenate perovskite as the active material for supercapacitors, 154

Electroactive films
On the use of the quadratic logistic differential equation for the interpretation of electrointercalation processes, 161
Electrochemical metal deposition
The growth of size-determined Cu clusters in nanometer holes on Au(111) due to a balance between surface and electrochemical energy, 102
Electrochromism
On the use of the quadratic logistic differential equation for the interpretation of electrointercalation processes, 161
Electrolyte phenomena
Polycrystalline gold electrode redox behavior in an ammoniacal electrolyte: Part I. A parallel RRDE, EQCM, XPS and TOF-SIMS study of supporting electrolyte phenomena, 131
Electrosorption
The potentiodynamic behaviour of iridium electrodes in aqueous 3.7 M H_2SO_4 in the 293–195 K range, 40
Enantioselectivity
Enantioselective electrodes: stereoselective electroreduction of 4-methylbenzophenone and acetophenone, 94
EQCM
Polycrystalline gold electrode redox behavior in an ammoniacal electrolyte: Part II. A parallel RRDE, EQCM and TOF-SIMS study of copper underpotential deposition, 143

FTIRS
Urea adsorption on Pt(111) electrodes, 65

Graphite intercalation compounds
A quantitative discrimination between anion insertion- and surface redox-reactions at graphite with the rotating ring/disk-electrode, 167

Hydrogenation
Mass spectrometric study of desorption and hydrogenation of biphenyl, naphthalene and *t*-butylbenzene on poly- and monocrystalline platinum electrodes, 90

PII S0022-0728(98)00473-2

Hydrogen evolution
Hydrogen evolution on silver single crystal electrodes—first results, 76
Hydrogen evolution reaction
Structural specificity of the kinetics of the hydrogen evolution reaction on the low-index surfaces of Pt single-crystal electrodes in 0.5 M dm^{-3} NaOH, 80
Hydrous oxide
Anomalous electrochemical behaviour of palladium in aqueous solution, 52

Iridium
The potentiodynamic behaviour of iridium electrodes in aqueous 3.7 M H_2SO_4 in the 293–195 K range, 40
IR spectroscopy
Sulfate ions adsorbed on Au(hkl) electrodes: in situ vibrational spectroscopy, 110

Liquid|liquid interfaces
Interfacial phenomena involving Fe(III)–ofloxacin complexes at the water|1,2-dichloroethane interface, 194

Microelectrodes
Trace detection of 2,4,6-trinitrotoluene in the gaseous phase by cyclic voltammetry, 10

Nanostructuring
The growth of size-determined Cu clusters in nanometer holes on Au(111) due to a balance between surface and electrochemical energy, 102
Naphthalene
Mass spectrometric study of desorption and hydrogenation of biphenyl, naphthalene and *t*-butylbenzene on poly- and monocrystalline platinum electrodes, 90
1,2-Naphthoquinone-4-sulfonate
A UV-vis spectroelectrochemical study of redox reactions of solution species at a polyaniline electrode in the conducting and the reduced state, 184
Nucleation
The growth of size-determined Cu clusters in nanometer holes on Au(111) due to a balance between surface and electrochemical energy, 102

Ofloxacin
Interfacial phenomena involving Fe(III)–ofloxacin complexes at the water|1,2-dichloroethane interface, 194
Ofloxacin–Fe complexes
Interfacial phenomena involving Fe(III)–ofloxacin complexes at the water|1,2-dichloroethane interface, 194
Organic conducting salts
Kinetic behaviour of dopamine-polyphenol oxidase on electrodes of tetrathiafulvalenium tetracyanoquinodimethanide and tetracyanoquinodimethane species, 174
Oxidation
Anomalous electrochemical behaviour of palladium in aqueous solution, 52

Palladium
Anomalous electrochemical behaviour of palladium in aqueous solution, 52
Perovskite
Strontium ruthenate perovskite as the active material for supercapacitors, 154
Platinum electrodes
Mass spectrometric study of desorption and hydrogenation of biphenyl, naphthalene and *t*-butylbenzene on poly- and monocrystalline platinum electrodes, 90
Polyaniline
A UV-vis spectroelectrochemical study of redox reactions of solution species at a polyaniline electrode in the conducting and the reduced state, 184
Polycrystalline gold
Polycrystalline gold electrode redox behavior in an ammoniacal electrolyte: Part II. A parallel RRDE, EQCM and TOF-SIMS study of copper underpotential deposition, 143
Polycrystalline gold electrode
Polycrystalline gold electrode redox behavior in an ammoniacal electrolyte: Part I. A parallel RRDE, EQCM, XPS and TOF-SIMS study of supporting electrolyte phenomena, 131
Polymer electrolytes
Methanol oxidation and direct methanol fuel cells: A selective review, 14
Polyphenol oxidase
Kinetic behaviour of dopamine-polyphenol oxidase on electrodes of tetrathiafulvalenium tetracyanoquinodimethanide and tetracyanoquinodimethane species, 174
Poly(pyrroles)
Enantioselective electrodes: stereoselective electroreduction of 4-methylbenzophenone and acetophenone, 94
Potentiodynamic behaviour
The potentiodynamic behaviour of iridium electrodes in aqueous 3.7 M H_2SO_4 in the 293–195 K range, 40
Potentiostatic pulses
Hydrogen evolution on silver single crystal electrodes—first results, 76
Proton injection
A quantitative discrimination between anion insertion- and surface redox-reactions at graphite with the rotating ring/disk-electrode, 167
Pt(111) electrodes
Urea adsorption on Pt(111) electrodes, 65
Pt–Ru electrodeposits
Characterization of platinum-rutheniun electrodeposits using XRD, AES and XPS analysis, 32
Pt single crystal electrodes
Structural specificity of the kinetics of the hydrogen evolution reaction on the low-index surfaces of Pt single-crystal electrodes in 0.5 M dm^{-3} NaOH, 80

Quartz crystal microbalance
On the use of the quadratic logistic differential equation for the interpretation of electrointercalation processes, 161

Redox mediator
A UV-vis spectroelectrochemical study of redox reactions of solution species at a polyaniline electrode in the conducting and the reduced state, 184
Rotating ring/disk-electrode
A quantitative discrimination between anion insertion- and surface redox-reactions at graphite with the rotating ring/disk-electrode, 167
RRDE
Polycrystalline gold electrode redox behavior in an ammoniacal electrolyte: Part II. A parallel RRDE, EQCM and TOF-SIMS study of copper underpotential deposition, 143

Single crystal electrodes
Sulfate ions adsorbed on Au(hkl) electrodes: in situ vibrational spectroscopy, 110
X-ray and electrochemical studies of Cu upd on single crystal electrodes in the presence of bromide: comparison between Au(111) and Pt(111) electrodes, 121

Stereoselective electroreduction
Enantioselective electrodes: stereoselective electroreduction of 4-methylbenzophenone and acetophenone 94
Strontium ruthenate
Strontium ruthenate perovskite as the active material for supercapacitors 154
Structural specificity
Structural specificity of the kinetics of the hydrogen evolution reaction on the low-index surfaces of Pt single-crystal electrodes in 0.5 M dm^{-3} NaOH 80

Tafel plots
Hydrogen evolution on silver single crystal electrodes—first results 76
Temperature
The potentiodynamic behaviour of iridium electrodes in aqueous 3.7 M H_2SO_4 in the 293–195 K range 40
Tetrathiafulvalenium tetracyanoquinodimethanide
Kinetic behaviour of dopamine-polyphenol oxidase on electrodes of tetrathiafulvalenium tetracyanoquinodimethanide and tetracyanoquinodimethane species 174
TOF-SIMS
Polycrystalline gold electrode redox behavior in an ammoniacal electrolyte: Part II. A parallel RRDE, EQCM and TOF-SIMS study of copper underpotential deposition 143

Underpotential deposition
Polycrystalline gold electrode redox behavior in an ammoniacal electrolyte: Part II. A parallel RRDE, EQCM and TOF-SIMS study of copper underpotential deposition 143
Urea adlayers
Urea adsorption on Pt(111) electrodes 65
UV-vis spectroelectrochemistry
A UV-vis spectroelectrochemical study of redox reactions of solution species at a polyaniline electrode in the conducting and the reduced state 184

Viologens
A UV-vis spectroelectrochemical study of redox reactions of solution species at a polyaniline electrode in the conducting and the reduced state 184
Voltammetry
The potentiodynamic behaviour of iridium electrodes in aqueous 3.7 M H_2SO_4 in the 293–195 K range 40

XPS
Characterization of platinum-ruthenium electrodeposits using XRD, AES and XPS analysis 32
X-ray and electrochemical studies
X-ray and lectrochemical studies of Cu upd on single crystal electrodes in the presence of bromide: comparison between Au(111) and Pt(111) electrodes 121
X-ray diffraction
Characterization of platinum-ruthenium electrodeposits using XRD, AES and XPS analysis 32